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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/043,659	01/08/2002	L. David Waterbury	005699-512	5999
7.	590 07/22/2003			
William H. Benz			EXAMINER	
P.O. Box 1404		HUI, SAN MING R		
Alexandria, VA 22313-1404			ART UNIT	PAPER NUMBER
			1617	10
		•	DATE MAILED: 07/22/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

,		Applica	tion No.	Applicant(s)
	-	10/043,	659	WATERBURY ET AL.
	Office Action Summary	Examin	er	Art Unit
		San-min	g Hui	1617
	The MAILING DATE of this commun		<u>-</u>	with the correspondence address
THE I - Exter after - If the - If NO - Failu - Any r	ORTENED STATUTORY PERIOD F MAILING DATE OF THIS COMMUN nsions of time may be available under the provision SIX (6) MONTHS from the mailing date of this com period for reply specified above is less than thirty (	NICATION.  Is of 37 CFR 1.136(a). In no of the imunication.  (30) days, a reply within the st statutory period will apply and by will, by statute, cause the a	event, however, may atutory minimum of will expire SIX (6) N polication to become	a reply be timely filed thirty (30) days will be considered timely. IONTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).
Status				
1)	Responsive to communication(s) f	iled on <u>16 May 2003</u>	•	
2a) <u></u> ☐	This action is <b>FINAL</b> .	2b) This action i	s non-final.	
3) <mark>□</mark> Dispositi	Since this application is in condition closed in accordance with the praction of Claims	on for allowance exce ctice under <i>Ex parte</i>	pt for formal r Q <i>uayl</i> e, 1935	natters, prosecution as to the merits is C.D. 11, 453 O.G. 213.
4)🛛	Claim(s) 1-35 is/are pending in the	application.		
,	4a) Of the above claim(s) <u>15-22 and</u>	d 33-35 is/are withdra	wn from cons	ideration.
5)[	Claim(s) is/are allowed.			
6)⊠	Claim(s) <u>1-14 and 23-32</u> is/are reject	cted.		
	Claim(s) is/are objected to.			•
	Claim(s) are subject to restri	ction and/or election	requirement.	
	on Papers		,	
9)[	The specification is objected to by th	ne Examiner.		
10)[] 7	The drawing(s) filed on is/are:	: a)□ accepted or b)□	objected to b	y the Examiner.
	Applicant may not request that any ob	ejection to the drawing(	s) be held in ab	eyance. See 37 CFR 1.85(a).
11) 🔲 🗆	The proposed drawing correction file	ed on is: a) 🔲	approved b)	disapproved by the Examiner.
	If approved, corrected drawings are re	equired in reply to this (	Office action.	
12) 🔲 7	The oath or declaration is objected to	o by the Examiner.		
Priority u	nder 35 U.S.C. §§ 119 and 120			
13)	Acknowledgment is made of a claim	n for foreign priority u	nder 35 U.S.C	C. § 119(a)-(d) or (f).
a)[	All b) Some * c) None of:			
	1. Certified copies of the priority	documents have be	en received.	
	2. Certified copies of the priority	documents have be	en received in	Application No
•	<ol> <li>Copies of the certified copies application from the Interret the attached detailed Office action</li> </ol>	national Bureau (PC1	Rule 17.2(a)	en received in this National Stage ). of received.
14)⊠ A	cknowledgment is made of a claim f	for domestic priority ι	ınder 35 U.S.0	C. § 119(e) (to a provisional application)
	☐ The translation of the foreign lar cknowledgment is made of a claim			
ttachment	(s)	,		
2) 🔲 Notice	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (F nation Disclosure Statement(s) (PTO-1449) P	PTO-948) Paper No(s) <u>8.9</u> .		w Summary (PTO-413) Paper No(s)  of Informal Patent Application (PTO-152)
Patent and Tra O-326 (Rev		Office Action Summa	irv	Part of Paper No. 10

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## **DETAILED ACTION**

Applicant's election with traverse of the invention of Group IV in Paper No. 7 is acknowledged. The traversal is on the ground(s) that the different groups of inventions are related because that are operated through the same mechanism of action to relieve neuropathic pain. This is not found persuasive because the different groups of invention operate through employing patentably distinct chemical compounds. As discussed before, they are different compounds: they have different classifications, different chemistry. It is well recognized as different and separate status of art. In other words, the different inventions operate differently by employing different compounds in the herein claimed methods. Therefore, the fields of search are diverse. The search is not limit to patent file. Searching for all the invention encompassed by the claims would present an undue burden to the Office.

The requirement is still deemed proper and is therefore made FINAL.

Claims 1-35 are pending.

Claims 15-22 and 33-35 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in Paper No. 7.

Claims 1-14 and 23-32 have been examined herein to the extent they read on the elected invention.

Claim Objections

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Claims 1-14 and 23-32 are objected to because of the following informalities: "treating neuropathic pain <u>is</u> a patient". It is apparently the word "is" is intended as "in". Appropriate correction is required.

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 1-14 and 23-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Waterbury et al. (US Patent 6,342,523) in view of Harrison (Harrison's Principles of Internal Medicine, 13<sup>th</sup> ed., 1993, page 2378) and Kontani et al. (New England Journal of Medicine, 2000; 343: 1514-1519).

Waterbury et al. teaches the herein claimed compounds as useful for treating inflammation related disorder such as neuro-inflammatory conditions (See col. 1, line 65

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to col. 2, line 2; also col. 4, line 45 – col. 5, line 3; also col. 6, line 20-63; col. 15, line 37-48).

Waterbury et al. does not expressly teach the employment of the herein claimed compounds as useful for treating neuropathic pain.

Harrison teaches herpes zoster is an acute inflammation in one or more dorsal root ganglia which can cause a persisent neuropathic pain, known as postherpetic neuralgia (See page 2378, col. 1, last two paragraph).

Kontani et al. teaches antiinflammatory agents are effective in reducing the duration of postherpetic neualgia with the extent of the pain relief (See particularly the abstract).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to employ the herein claimed compounds to treat neuropathic pain.

One of ordinary skill in the art would have been motivated to employ the herein claimed compounds to treat neuropathic pain. The herein claimed compounds are known to treat neuro-inflammatory conditions. Postherpetic neuralgia, a known neuro-inflammatory condition associated with neuropathic pain, is known to be effectively treated with anti-inflammatory agent. Therefore, possessing the teachings of the cited prior art, one of ordinary skill in the art would have been reasonably expected to employ the herein claimed aryl nitrone ether/aryl nitrone thioether compounds to treat any neuro-inflammatory conditions, including postherpetic neuralgia.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to San-ming. Hui whose telephone number is (703) 305-1002. The examiner can normally be reached on Mon 9:00 to 1:00, Tu - Fri from 9:00 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sreeni Padmanabhan, PhD., can be reached on (703) 305-1877. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-4556 for regular communications and (703) 308-4556 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1235.

San-ming Hui

Patent Examiner
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July 21, 2003